

Submitted by the Fairbanks and Tanana Rampart Manley AC

Excerpt from

Kocan, R. 2004. Ichthyophoniiasis: An Emerging Disease of Chinook Salmon in the Yukon River. *Journal of Aquatic Animal Health* 16:58-72.

THE BELOW IS IN THE DISCUSSION SECTION OF THE REPORT;

*Source of Infection*

There is no evidence as to where or when Yukon River Chinook salmon become infected. Herring were initially suspected as the source of infection, but after 3 years of sampling Bering Sea herring and finding no *Ichthyophonus*, this hypothesis had to be reevaluated. If herring are the source of infection, some portion of Yukon River Chinook salmon may feed south of the Aleutian Islands, where infected herring are known to occur. Although no infected herring were found north of the Aleutian Islands, all populations from Washington State, British Columbia, and the Gulf of Alaska are known to be heavily infected with *Ichthyophonus* (Marty et al. 1998; Hershberger et al. 2002; Jones and Dawe 2002). Perhaps the Aleutians form a physical barrier to the spread of *Ichthyophonus* to Bering Sea herring.

Full text of the article can be found at: <http://www.rapidsresearch.com/YukonIchKocan.pdf>